

Customer No. 24498
Attorney Docket No: PU020286 US
Final Office Action Date: January 24, 2008

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IN THE CLAIMS:

1. (Currently amended) Apparatus, comprising:
a radio frequency (RF) remote control configured for entering a user-desired channel frequency selected from a plurality of pre-defined frequency values;
a reception circuit (33) including a frequency synthesizer configured for receiving an incoming wireless audio file signal from a computer;
a decoder (32) for digitally demodulating an audio file signal from said reception circuit; and
a processor (34) for re-initializing said decoder (32) in response to a loss of a phase lock in said demodulating of said audio file signal and setting said frequency synthesizer at one of a the plurality of frequencies to re-establish said phase lock in said demodulating of said audio file signal and sending the audio file to an audio system.
2. (Original) The apparatus of claim 1, wherein said plurality of frequencies comprise 900MHz range channel frequencies.
3. (Original) The apparatus of claim 2, wherein said plurality of frequencies comprises 905 MHz, 911 MHz, 917 MHz and 923 MHz.
4. (Previously presented) The apparatus of claim 1, wherein said decoder comprises an eight-to-fourteen modulation EFM digital decoder.
5. (Original) The apparatus of claim 1, wherein said demodulating said audio file signal provides a digital audio stream conforming to an I2S audio format.
6. (Original) The apparatus of claim 1, wherein said processor (34) is a microprocessor.
7. (Currently amended) A computer readable storage device having software instructions recorded thereon that, when executed by a processor, performs the steps of:
receiving a modulated audio file signal from a computer;

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demodulating said audio file signal to a digital audio stream;
re-initializing said demodulating in response to a loss of a phase lock in said
demodulating of said audio file signal; and
setting said receiving of the modulated audio file signal at one of a plurality of
channel frequencies to re-establish said phase lock in said demodulating of said audio
file signal; and
sending the audio file signal to an audio system.

8. (Original) The computer readable medium of claim 7, wherein said demodulating
comprises a digital eight-to-fourteen modulation EFM digital decoding of said audio file
signal.

9.-11. (Cancelled)

12.-20. (Previously withdrawn)

21. (New) A method for automatic channel hopping comprising the steps of:
selecting a transmission channel frequency from a plurality of pre-defined
frequency values via a radio frequency remote control;
receiving an incoming wireless audio file signal from a computer;
synchronizing to a carrier frequency;
decoding the audio file signal;
detecting a loss of the wireless audio file signal;
programming to one of the plurality of frequencies to reestablish a phase lock
during decoding of the audio file signal when the signal loss is detected;
setting at said one of a plurality of channel frequencies until said phase lock in
said decoding is established; and
sending the audio file to an audio stereo system.

22. (New) The method of claim 21, wherein said plurality of frequencies comprise 905
MHz, 911 MHz, 917 MHz and 923 MHz.

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23. (New) The method of claim 21, wherein the wireless audio file comprises an MP3 file.

24. (New) The apparatus of claim 1, wherein the wireless audio file comprises an MP3 file.

25. (New) The computer readable storage device of claim 7, wherein the audio file signal comprises an MP3 file.